

ABSTRACT

5 A phosphor having the formula $\text{Na}_2(\text{Ln}_{1-y-z}\text{Ce}_y\text{Tb}_z)_2\text{B}_2\text{O}_7$, wherein Ln is selected from the group consisting of La, Y, Gd, Lu, Sc and combinations thereof and wherein $y = 0.01-0.3$ and $z = 0.0-0.3$. The phosphor is suitable for use in a white-light emitting device including a UV/blue semiconductor light source having a peak emission from about 250 to about 550 nm and a phosphor blend including a blue emitting phosphor, a red emitting phosphor and a green emitting phosphor having the above described formula.

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